

the case, special care in the purchase of feeds and some knowledge of their chemical composition will be found of paramount importance in keeping the cost of feeding down to a point which will admit of a profit.

TABLE SHOWING AVERAGE COMPOSITION OF FOODS ANALYZED.

Foods.		Crude Protein.	Moisture.	Ether Extract.	Crude Fibre.	Ash.	Soluble Carbohydrates.
Pea meal,	8 analyses	23.27	10.34	1.90	7.04	2.83	54.62
Pea hulls,	13 "	10.04	7.51	1.44	42.07	2.92	36.01
Mixed grain or chop,	21 "	12.81	11.27	4.61	11.00	3.96	56.35
Wheat middlings,	21 "	15.54	10.10	3.92	4.26	3.72	62.46
Wheat bran,	10 "	14.99	10.40	3.74	8.74	5.14	56.99
Low grade flour.	3 "	11.94	11.02	3.58	0.44	1.88	71.13
Shorts,	4 "	16.01	9.38	4.46	4.52	4.37	61.26
Beeswing,	3 "	9.60	6.93	0.41	18.19	2.29	62.58
Cotton seed meal,	5 "	44.18	5.94	13.65	4.78	6.91	24.54
Cotton seed hulls,	4 "	4.45	9.73	1.31	46.60	2.16	35.75
Oil cake,	13 "	30.41	9.06	7.07	10.64	5.89	36.93
C. ten meal,	22 "	24.96	7.12	8.54	3.70	0.83	54.85
Gluten feed,	17 "	25.65	8.61	7.52	5.92	0.82	51.47
Corn chop,	10 "	9.36	9.80	4.47	1.93	1.40	73.04
Corn bran,	5 "	8.64	5.97	2.02	16.27	2.20	65.90
Corn ensilage,	7 "	10.52	9.26	2.25	32.64	6.16	39.17
Green corn and silage,	9 "	9.26	.....	2.34	30.85	6.44	51.02
Oat bran,	11 "	6.74	8.07	1.16	29.38	4.90	49.75
Oat dust,	23 "	11.93	9.75	4.76	12.82	4.15	53.58
Oat siftings,	5 "	14.33	10.37	3.36	18.36	2.19	51.39
Mill feed,	12 "	7.60	9.91	2.30	21.00	6.15	53.04
Barley dust,	11 "	14.00	10.62	2.20	13.93	3.39	55.86
Malt sprouts,	2 "	29.34	8.80	1.79	16.33	7.12	36.62
Crushed barley,	10 "	11.88	10.23	2.54	2.92	2.32	70.11
Dried beet pulp,	7 "	8.54	2.94	1.14	15.17	6.37	65.84

The above table shows the average composition of the samples of feeding-stuffs analysed in our laboratory. We have discussed each table separately, and, where possible, have emphasized points of difference, etc., which we consider of greatest practical value to the feeder of live stock. As mentioned in the introduction, the percentage of protein in a food is invariably considered of prime importance because our home grown crops are more likely to be deficient in this than in any other component. In selecting a food, therefore, we should aim at obtaining the greatest amount of protein for our money. There are certain serious objections, however, to some of our feeding-stuffs which contain a very large quantity of protein. Cotton seed meal, for example, contains, on an average 44.18 per cent. of protein, but many of our best feeders do